



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Shilin Chen  
Serial No.: 09/833,016  
Filed: April 10, 2001  
Group No.: 2128  
Examiner: Hugh M. Jones  
For: **FORCE-BALANCED ROLLER-CONE BITS, SYSTEMS,  
DRILLING METHODS, AND DESIGN METHODS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE  
PATENTING REJECTION (37 C.F.R. §1.321 (c)) AND  
CERTIFICATE UNDER 37 C.F.R. §3.73 (b)**

I, William E. Shull, Vice President & Chief Patent Counsel, Halliburton Energy Services, Inc., represent that Halliburton Energy Services, Inc. is the assignee and the exclusive owner of the entire right, title and interest of, in and to application Serial No. 09/833,016, filed on April 10, 2001, for **FORCE-BALANCED ROLLER-CONE BITS, SYSTEMS, DRILLING METHODS, AND DESIGN METHODS**, as indicated by the Assignment Records of the U.S. Patent and Trademark Office at Reel 014539, Frame 0842; and certify that to the best of assignee's knowledge and belief, title is in the assignee seeking to take action; and that I am empowered to act on behalf of assignee.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. Furthermore, I declare that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

States Code, and that such willful false statements may jeopardize the validity of the Application or any patent issuing thereon.

Halliburton Energy Services, Inc. hereby disclaims the terminal part of any patent granted on the above-identified application, that would extend beyond the expiration date of U.S. Patent No. 6,412,577 B1 granted July 2, 2002, also assigned to and owned by Halliburton Energy Services, Inc. as indicated by the Assignment Records of the U.S. Patent and Trademark Office at Reel 010406, Frame 0491, and hereby agrees that any patent so granted on the above-identified application shall be enforceable only for and during such period that the legal title to said patent shall be the same as the legal title to United States Patent No. 6,412,577 B1, this agreement to run with any patent granted on the above-identified application and to be binding upon the grantee, its successor or assigns.

Petitioner, however, does not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration of the full statutory term of the above-referenced U.S. Patent No. 6,412,577 B1, in the event that one or more of the following occurs: U.S. Patent No. 6,412,577 B1 expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. 1.321(a), has all claims canceled by a reexamination certificate or is otherwise terminated prior to expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

Respectfully submitted,

Aug. 26, 2004  
Date

William E. Shull  
William E. Shull  
Vice President & Chief Patent Counsel  
Halliburton Energy Services, Inc.